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This is a continuation-in-part application of United States Letters Patent Application Number 10/622,977, filed ~~July 10, 2003~~ July 18, 2003.

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SUMMARY OF THE INVENTION

The non-toxic topical disinfectant comprises a novel composition of isopropyl alcohol, sesame oil, lemon oil, and menthol in specific relative proportions by weight. The non-toxic topical solution may be used safely to disinfect the skin, tongue, and hard surfaces of objects through topical application. The interactive composition comprises at least ~~[[50.0%]]~~ 24% to 27% by weight of isopropyl alcohol, from ~~about 40.0% to about 48.0%~~ about 63% to about 73% by weight sesame oil, from 1.0% to 3.0% by weight lemon oil and menthol ranging from 0.1% to 1.0% in weight. The menthol is dissolved and dispersed throughout

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It can, thus be seen that the non-toxic ~~mucosal~~ disinfectant of the subject inventive composition includes four distinct products which actively complement each other. One is the primarily active disinfectant, isopropyl alcohol which is considered to be a safe topical antiseptic to use. Isopropyl alcohol is effective against gram-negative and gram-positive bacteria, fungi, viruses including hepatitis B and C, HIV, RSV, CMV, influenza and the herpes family. Bacterial resistance to isopropyl alcohol is very slight to non-existent.

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1. (Original) A non-toxic disinfectant composition for topical application to the skin comprising a composition of isopropyl alcohol of at least 24.0% to about 27.0% by weight; sesame oil of at least 53.0% by weight, lemon oil ranging between 1.0% to 2.0% in weight and menthol ranging from about 0.1% to about 1.0% in weight, mixed homogeneously, said sesame oil supplementing and neutralizing the dehydrating effect of the alcohol.

2. (Original) A non-toxic disinfectant composition according to Claim 1, wherein said sesame oil is about 63.0% to about 67.0% by weight.

3. (Original) A non-toxic disinfectant composition according to Claim 1, wherein said menthol is present from about 0.3 to about 0.5 grams per each 10 ml mixture of the isopropyl alcohol and sesame oil.

4. (Original) A non-toxic disinfectant composition according to Claim 1, wherein said composition has an effective treatment life of at least eight hours and is stable for at least six months.

5. (Original) A non-toxic disinfectant composition according to Claim 1, wherein said composition decreases bacterial growth to at least a $6.0 \log_{10}$ reduction when compared to normal bacterial growth.

6. (Original) A non-toxic disinfectant composition according to Claim 1, wherein said composition decreases viral growth to at least a $2.7 \log_{10}$ reduction when compared to normal viruses growth.

7. (Original) A disinfectant composition for topical application to a human comprising a composition of isopropyl alcohol of at least 24.0% by weight; sesame oil ranging from about 63.0%

to about 67.0% by weight, lemon oil not exceeding 3.0% by weight and menthol not exceeding 1.0% by weight, mixed homogeneously, said sesame oil supplementing and neutralizing the dehydrating effect of the alcohol and said menthol increasing shelf stability.

8. (Original) A disinfectant composition according to Claim 7, wherein said composition has an effective treatment life of at least eight hours.

9. (Original) A disinfectant composition according to Claim 7 wherein said isopropyl alcohol is anhydrous USP which is not less than 99.0% USP.

10. (Original) A disinfectant composition according to claim 7 wherein said sesame oil is 100% pure expeller pressed.

11. (Currently Amended) A disinfectant composition according to claim 7 wherein said lemon oil is 100% pure USP Grade ~~composition~~.

12. (Original) A disinfectant composition according to claim 7 wherein said composition has a shelf life over 3 months.

13. (Original) A disinfectant composition according to claim 7 wherein said composition is a solution which is clear.

14. (Original) A non-toxic disinfectant composition according to Claim 7, wherein said composition decreases bacterial growth to at least a 6.0 log₁₀ reduction when compared to normal bacterial growth.

15. (Original) A non-toxic disinfectant composition according to Claim 7, wherein said composition decreases viral growth to at least a 2.7 log₁₀ reduction when compared to normal viruses growth.

16. (Original) A disinfectant composition for objects comprising a composition of a solution isopropyl alcohol of about 24.0% to about 27.0% by weight; sesame oil ranging from about 63.0%

to about 73.0% by weight, lemon oil ranging between about 1.0% to about 3.0% in weight and menthol ranging from about 0.5% to 1.0% in weight, mixed homogeneously, said sesame oil supplementing and neutralizing the dehydrating effect of the alcohol and said menthol eliminating the layering of the alcohol and oils.

17. (Original) A disinfectant composition according to Claim 16 wherein said isopropyl alcohol is anhydrous USP which is not less than 99.0% USP.

18. (Original) A disinfectant composition according to claim 16 wherein said sesame oil is 100% pure expeller pressed.

19. (Currently Amended) A disinfectant composition according to claim 16 wherein said lemon oil is 100% pure USP Grade composition.

20. (Original) A disinfectant composition according to claim 16 wherein said composition has a shelf life over 6 months.

21. (Original) A disinfectant composition according to claim 16 wherein said composition is a solution which is clear.

22. (Currently Amended) A ~~composition of claim 16 applied to dental floss~~ comprising an effective amount of the disinfectant composition of claim 16.

23. (Currently Amended) A ~~composition of claim 16 applied to a toothbrush~~ comprising an effective amount of the disinfectant composition of claim 16.